

Monthly Notices OF THE Royal Astronomical Society

VOLUME 279
1996 MARCH-APRIL

Editorial Board

PROFESSOR M. J. BARLOW, DEPARTMENT OF PHYSICS AND ASTRONOMY, UNIVERSITY COLLEGE LONDON

DR R. F. CARSWELL (DEPUTY MANAGING EDITOR), INSTITUTE OF ASTRONOMY, CAMBRIDGE

DR J. E. DREW, ASTRONOMY GROUP, BLACKETT LABORATORY, IMPERIAL COLLEGE LONDON

PROFESSOR A. C. FABIAN (MANAGING EDITOR), INSTITUTE OF ASTRONOMY, CAMBRIDGE

PROFESSOR M. W. FEAST, DEPARTMENT OF ASTRONOMY, UNIVERSITY OF CAPE TOWN

PROFESSOR D. R. FLOWER, DEPARTMENT OF PHYSICS, UNIVERSITY OF DURHAM

PROFESSOR D. C. HEGGIE, DEPARTMENT OF MATHEMATICS & STATISTICS, UNIVERSITY OF EDINBURGH

DR D. W. HUGHES, DEPARTMENT OF PHYSICS, UNIVERSITY OF SHEFFIELD

PROFESSOR F. D. KAHN, DEPARTMENT OF ASTRONOMY, UNIVERSITY OF MANCHESTER

PROFESSOR J. C. B. PAPALOIZOU, SCHOOL OF MATHEMATICAL SCIENCES, QUEEN MARY & WESTFIELD COLLEGE LONDON

PROFESSOR M. J. WARD, DEPARTMENT OF PHYSICS & ASTRONOMY, UNIVERSITY OF LEICESTER

PROFESSOR S. D. M. WHITE, MAX-PLANCK-INSTITUT FÜR ASTROPHYSIK, GARCHING BEI MÜNCHEN

Published for the
Royal Astronomical Society by
Blackwell Science
OXFORD LONDON EDINBURGH
BOSTON MELBOURNE
PARIS BERLIN VIENNA

List of key words used in the annual subject indexes

(valid from January 1996)

This list is common to *Monthly Notices of the Royal Astronomical Society*, *Astronomy and Astrophysics*, and *The Astrophysical Journal*. In order to ease the search, the key words are subdivided into broad categories. No more than six subcategories altogether should be listed for a paper.

The subcategories in boldface containing the word 'individual' are intended for use with specific astronomical objects; these should never be used alone, but always in combination with the most common names for the astronomical objects in question. Note that each object counts as one subcategory within the allowed limit of six.

The parts of the key words in italics are for reference only and should be omitted when the key words are entered on the manuscript.

General

book reviews
editorials, notices
errata, addenda
extraterrestrial intelligence
history and philosophy of astronomy
miscellaneous
obituaries, biographies

Physical data and processes

acceleration of particles
accretion, accretion discs
atomic data
atomic processes
black hole physics
chaos
conduction
convection
cosmic strings
dense matter
diffusion
elementary particles
equation of state
gravitation
hydrodynamics
instabilities
line: formation
line: identification
line: profiles
magnetic fields
(magnetohydrodynamics) MHD
masers
molecular data
molecular processes
nuclear reactions, nucleosynthesis, abundances
plasmas
polarization

radiation mechanisms: nonthermal
radiation mechanisms: thermal
radiative transfer
relativity
scattering
shock waves
turbulence
waves

Astronomical instrumentation, methods and techniques

atmospheric effects
balloons
instrumentation: detectors
instrumentation: interferometers
instrumentation: miscellaneous
instrumentation: photometers
instrumentation: polarimeters
instrumentation: spectrographs
methods: analytical
methods: data analysis
methods: laboratory
methods: miscellaneous
methods: numerical
methods: observational
methods: statistical
site testing
space vehicles
techniques: image processing
techniques: interferometric
techniques: miscellaneous
techniques: photometric
techniques: polarimetric
techniques: radar astronomy
techniques: radial velocities
techniques: spectroscopic
telescopes

Astronomical data bases

astronomical data bases: miscellaneous
atlases
catalogues
surveys

Astrometry and celestial mechanics

astrometry
celestial mechanics, stellar dynamics
eclipses
ephemerides
occultations
reference systems
time

The Sun

Sun: abundances
Sun: activity
Sun: atmosphere
Sun: chromosphere
Sun: corona
Sun: evolution
Sun: faculae, plages
Sun: filaments
Sun: flares
Sun: fundamental parameters
Sun: general
Sun: granulation
Sun: infrared
Sun: interior
Sun: magnetic fields
Sun: oscillations
Sun: particle emission
Sun: photosphere
Sun: prominences
Sun: radio radiation
Sun: rotation
(Sun:) solar-terrestrial relations
(Sun:) solar wind
(Sun:) sunspots
Sun: transition region
Sun: UV radiation
Sun: X-rays, gamma-rays

Solar system

comets: general
comets: individual:...
Earth
interplanetary medium
meteors, meteoroids
minor planets, asteroids
Moon
planets and satellites: general
planets and satellites: individual:...
Solar system: formation
Solar system: general

Stars

stars: abundances
stars: activity
stars: AGB and post-AGB
stars: atmospheres
(stars:) binaries (*including multiple*): close
(stars:) binaries: eclipsing
(stars:) binaries: general
(stars:) binaries: spectroscopic
(stars:) binaries: symbiotic
(stars:) binaries: visual
(stars:) blue stragglers
stars: carbon
stars: chemically peculiar
stars: chromospheres
(stars:) circumstellar matter
stars: coronae
stars: distances
stars: early-type

stars: emission-line, Be
stars: evolution
stars: flare
stars: formation
stars: fundamental parameters (*classification, colours, luminosities, masses, radii, temperatures, etc.*)
stars: general
(stars:) Hertzsprung-Russell (HR) diagram
stars: horizontal branch
stars: imaging
stars: individual:...
stars: interiors
stars: kinematics
stars: late-type
stars: low-mass, brown dwarfs
stars: luminosity function, mass function
stars: magnetic fields
stars: mass-loss
stars: neutron
(stars:) novae, cataclysmic variables
stars: oscillations (*including pulsations*)
stars: peculiar (*except chemically peculiar*)
(stars:) planetary systems
stars: Population II
stars: pre-main-sequence
(stars:) pulsars: general
(stars:) pulsars: individual:...
stars: rotation
stars: statistics
(stars:) subdwarfs
(stars:) supergiants
(stars:) supernovae: general
(stars:) supernovae: individual:...
(stars: variables:) Cepheids
(stars: variables:) δ Scuti
stars: variables: other
(stars:) white dwarfs
stars: Wolf-Rayet

Interstellar medium (ISM), nebulae

ISM: abundances
ISM: atoms
ISM: bubbles
ISM: clouds
(ISM:) cosmic rays
(ISM:) dust, extinction
ISM: general
ISM: globules
(ISM:) H II regions
ISM: individual:...
(*except planetary nebulae*)
ISM: jets and outflows
ISM: kinematics and dynamics
ISM: magnetic fields
ISM: molecules
(ISM:) planetary nebulae: general
(ISM:) planetary nebulae: individual:...
(ISM:) reflection nebulae
ISM: structure
(ISM:) supernova remnants

The Galaxy

Galaxy: abundances
Galaxy: centre
Galaxy: evolution
Galaxy: formation
Galaxy: fundamental parameters
Galaxy: general
(Galaxy:) globular clusters: general
(Galaxy:) globular clusters: individual:...
Galaxy: halo
Galaxy: kinematics and dynamics
(Galaxy:) open clusters and associations: general
(Galaxy:) open clusters and associations: individual:...
(Galaxy:) solar neighbourhood
Galaxy: stellar content
Galaxy: structure

Galaxies

galaxies: abundances
galaxies: active
(galaxies:) BL Lacertae objects: general
(galaxies:) BL Lacertae objects: individual:...
galaxies: clusters: general
galaxies: clusters: individual:...
galaxies: compact
(galaxies:) cooling flows
galaxies: distances and redshifts
galaxies: elliptical and lenticular, cD
galaxies: evolution
galaxies: formation
galaxies: fundamental parameters
(classification, colours, luminosities, masses, radii, etc.)
galaxies: general
galaxies: haloes
galaxies: individual:...
galaxies: interactions
(galaxies:) intergalactic medium
galaxies: ISM
galaxies: irregular
galaxies: jets
galaxies: kinematics and dynamics
(galaxies:) Local Group
galaxies: luminosity function, mass function
(galaxies:) Magellanic Clouds
galaxies: magnetic fields
galaxies: nuclei
galaxies: peculiar
galaxies: photometry
(galaxies:) quasars: absorption lines
(galaxies:) quasars: emission lines
(galaxies:) quasars: general

(galaxies:) quasars: individual:...
galaxies: Seyfert
galaxies: spiral
galaxies: starburst
galaxies: star clusters
galaxies: statistics
galaxies: stellar content
galaxies: structure

Cosmology

(cosmology:) cosmic microwave background
cosmology: miscellaneous
cosmology: observations
cosmology: theory
(cosmology:) dark matter
(cosmology:) diffuse radiation
(cosmology:) distance scale
(cosmology:) early Universe
(cosmology:) gravitational lensing
(cosmology:) large-scale structure of Universe

Sources as a function of wavelength

gamma-rays: bursts
gamma-rays: observations
gamma-rays: theory
infrared: galaxies
infrared: general
infrared: ISM: continuum
infrared: ISM: lines and bands
infrared: Solar system
infrared: stars
radio continuum: galaxies
radio continuum: general
radio continuum: ISM
radio continuum: Solar system
radio continuum: stars
radio lines: galaxies
radio lines: general
radio lines: ISM
radio lines: Solar system
radio lines: stars
ultraviolet: galaxies
ultraviolet: general
ultraviolet: ISM
ultraviolet: Solar system
ultraviolet: stars
X-rays: bursts
X-rays: galaxies
X-rays: general
X-rays: ISM
X-rays: stars

SUBJECT INDEX

Physical data and processes

Higher Paschen lines in the spectra of early-type stars (Frémat Y., Houziaux L., Andriat Y.), 279, 25
 A new survey for 6.6-GHz methanol masers (Caswell J.L.), 279, 79
 Interpolations of Rosseland-mean opacities for variable X and Z (Seaton M.J.), 279, 95
 Continuum emission associated with 6.7-GHz methanol masers (Ellingsen S.P., Norris R.P., McCulloch P.M.), 279, 101
 Protostellar envelopes: a clue to the initial conditions of star formation (Bonnell I.A., Bate M.R., Price N.M.), 279, 121
 Compressible fluctuations in an equatorial pulsar wind and a scenario for wisps in the central Crab nebula (Lou Y.-Q.), 279, 129
 The chemistry of core collapse in TMC1 (Howe D.A., Taylor S.D., Williams D.A.), 279, 143
 The non-axisymmetric instability of a cylindrical shear flow containing an azimuthal magnetic field (Ogilvie G.I., Pringle J.E.), 279, 152
 On the wings of broad H α emission in active galactic nuclei (Romano P., Zwitter T., Calvani M., Sulentic J.), 279, 165
 Accretion disc radii in eclipsing cataclysmic variables (Harrop-Allin M.K., Warner B.), 279, 219
 Turbulence and magnetic fields in elliptical galaxies (Moss D., Shukurov A.), 279, 229
 A theory of non-local mixing-length convection – III. Comparing theory and numerical experiment (Grossman S.A.), 279, 305
 Magnetic collimation by accretion discs of quasars and stars (Lynden-Bell D.), 279, 389
 SPH simulations of tidally unstable accretion discs in cataclysmic variables (Murray J.R.), 279, 402
 Tidally induced warps in T Tauri discs – II. A parametric study of spectral energy distributions (Terquem C., Bertout C.), 279, 415
 Physical conditions in the transition regions around the Ring Nebula and NGC 7027 (Liu X.-W., Barlow M.J.), 279, 511
 Polarization during binary microlensing (Agol E.), 279, 571
 The formation of H $_2$ by H-atom reaction with grain surfaces (Duley W.W.), 279, 591
 The effect of spatial correlations in a chaotic velocity field on the D/H measurements from QSO absorption spectra (Levshakov S.A., Takahara F.), 279, 651
 Sonic-point instability with a new revised viscosity and isothermal accretion disc (Yang L., Yang P., Wu S., Wu X.), 279, 669
 On the stability of an accretion disc containing a toroidal magnetic field (Terquem C., Papaioannou J.C.B.), 279, 767
 The broad iron K emission line in the Seyfert 2 galaxy IRAS 18325–5926 (Iwasawa K., Fabian A.C., Mushotzky R.F., Brandt W.N., Awaki H., Kunieda H.), 279, 837
 Continuous opacity from Ne $^-$ (John T.L.), 279, 859
 Radiative transfer models for IRAS F10214 + 4724 (Green S.M., Rowan-Robinson M.), 279, 884
 The deceleration of relativistic jets by entrainment (Bowman M., Leahy J.P., Komissarov S.S.), 279, 899
 Simulating the emission line radial velocity modulation in discless intermediate polars (Garlick M.A.), 279, 940
 Breaking the sound barrier in recombination fronts (Williams R.J.R., Dyson J.E.), 279, 987
 Radio observations of PSR B1259–63 around periastron (Johnston S., Manchester R.N., Lyne A.G., D'Amico N., Bailes M., Gaensler B.M., Nicastro L.), 279, 1026
 Accretion disc boundary layers around pre-main-sequence stars (Godon P.), 279, 1071
 Rotational disturbance in the intermediate polar BG Canis Minoris (Garlick M.A.), 279, 1101
 The Bowen fluorescence lines: overview and re-analysis of the observations (Kastner S.O., Bhatia A.K.), 279, 1137
 Energy transport in a rotation-modulated pulsar wind (Melatos A., Melrose D.B.), 279, 1168
 Magnetic fields in cometary globules – I. CG 22 (Sridharan T.K., Bhatt H.C., Rajagopal J.), 279, 1191
 Magnetic reconnection and star formation in molecular clouds (Lubow S.H., Pringle J.E.), 279, 1251
 Superhumps and ultraviolet superdips: *HST* observations of OY Car (Billington I., Marsh T.R., Horne K., Cheng F.H., Thomas G., Bruch A., O'Donoghue D., Eracleous M.), 279, 1274

Forbidden transitions in B II, C III, O V, Ne VII and Mg IX (Fleming J.,

Bell K.L., Hibbert A., Vaeck N., Godefroid M.R.), 279, 1289

Imaging polarimetry of the luminous merger galaxy NGC 3256

(Scarrott S.M., Draper P.W., Stockdale D.P.), 279, 1325

The origin of the correlation between the UV and X-rays in NGC 4151

(Zdziarski A.A., Magdziarz P.), 279, L21

A reanalysis of interstellar OH absorption observations (Roueff E.),

279, L37

Synthesis of interstellar CH $^+$ without OH (Federman S.R., Rawlings J.M.C., Taylor S.D., Williams D.A.), 279, L41

Surface features on interstellar ice (McCoustra M., Williams D.A.), 279, L53

Spectropolarimetry of 3C 265, a misaligned radio galaxy (di Serego Alighieri S., Cimatti A., Fosbury R.A.E., Perez-Fournon I.), 279, L57

A comment on the stability of magnetic wind-driving accretion discs (Königl A., Wardle M.), 279, L61

Relativistic perihelion advance as a centrifugal effect (Sonego S., Lanza A.), 279, L65

Gravitational collapse in the presence of a finite-amplitude circularly polarized Alfvén wave (Lou Y.-Q.), 279, L67

Scattered broad optical lines in the polarized flux spectrum of the FR II galaxy 3C 321 (Young S., Hough J.H., Efstathiou A., Wills B.J., Axon D.J., Bailey J.A., Ward M.J.), 279, L72

Astronomical instrumentation, methods and techniques

The prediction of the spectral properties of BL Lac samples (Marchá M.J.M., Browne I.W.A.), 279, 72

Star/galaxy classification using Kohonen self-organizing maps (Miller A.S., Cee M.J.), 279, 293

SPH simulations of tidally unstable accretion discs in cataclysmic variables (Murray J.R.), 279, 402

A modified R 1 ⊗ R 1 method for helioseismic rotation inversions (Pijpers F.P., Thompson M.J.), 279, 498

A new method for accurate estimation of velocity field statistics (Bernardeau F., van de Weygaert R.), 279, 693

Statistical tests of a periodicity hypothesis for crater formation rate – II (Yabushita S.), 279, 727

An X-ray all-sky monitor with extraordinary sensitivity (Priedhorsky W.C., Peele A.G., Nugent K.A.), 279, 733

Numerical study of energy diffusion in King models (Theuns T.), 279, 827

Observing strategies for blank-field surveys in the submillimetre waveband (Blain A.W., Longair M.S.), 279, 847

Real and imaginary Kirkwood gaps (Murray C.D.), 279, 978

The Muenter Redshift Project: improved methods for automated galaxy redshift measurements from very low-dispersion objective-prism spectra (Schuecker P.), 279, 1057

Accretion disc boundary layers around pre-main-sequence stars (Godon P.), 279, 1071

Thresholds on star formation and the chemical evolution of galactic discs: cosmochemistry and the age of the Galaxy (Chamcham K., Hendry M.A.), 279, 1083

Ω from the COBE-DMR anisotropy maps (Cayón L., Martínez-González E., Sanz J.L., Sugiyama N., Torres S.), 279, 1095

A spectroscopic search for red supergiants in the M33 giant H II region NGC 604 (Terlevich E., Diaz A.I., Terlevich R., González-Delgado R.M., Pérez E., García Vargas M.L.), 279, 1219

The Parkes Southern Pulsar Survey – I. Observing and data analysis systems and initial results (Manchester R.N., Lyne A.G., D'Amico N., Bailes M., Johnston S., Lorimer D.R., Harrison P.A., Nicastro L., Bell J.F.), 279, 1235

Spectropolarimetry of 3C 265, a misaligned radio galaxy (di Serego Alighieri S., Cimatti A., Fosbury R.A.E., Perez-Fournon I.), 279, L57

Astronomical data bases

Interpolations of Rosseland-mean opacities for variable X and Z (Seaton M.J.), 279, 95

Star/galaxy classification using Kohonen self-organizing maps (Miller A.S., Coe M.J.), 279, 293

Galactic extinction and Abell clusters (Nichol R.C., Connolly A.J.), 279, 521

Framework for cosmography at high redshift (Triay R., Spinelli L., Lafaye R.), 279, 564

An X-ray all-sky monitor with extraordinary sensitivity (Priedhorsky W.C., Peele A.G., Nugent K.A.), 279, 733

RV Tauri stars – I. A long-term photometric survey (Pollard K.R., Cottrell P.L., Kilmartin P.M., Gilmore A.C.), 279, 949

K-band photometry of spectroscopic redshift survey objects (Gardner J.P.), 279, 1157

The Parkes Southern Pulsar Survey – I. Observing and data analysis systems and initial results (Manchester R.N., Lyne A.G., D'Amico N., Bailes M., Johnston S., Lorimer D.R., Harrison P.A., Nicastro L., Bell J.F.), 279, 1235

Astrometry and celestial mechanics

Dynamical families in the Galactic globular cluster system (Bellazzini M., Vesperini E., Ferraro F.R., Fusi Pecci F.), 279, 337

Three-integral oblate galaxy models (Robijn F.H.A., de Zeeuw P.T.), 279, 673

Numerical study of energy diffusion in King models (Theuns T.), 279, 827

Statistics of *N*-body simulations – III. Unequal masses (Giersz M., Heggie D.C.), 279, 1037

Adiabatic evolution and capture into resonance: vertical heating of a growing stellar disc (Sridhar S., Touma J.), 279, 1263

The 1995 outburst and possible origin of the α -Monocerotid meteoroid stream (Rendtel J., Brown P., Molau S.), 279, L31

Relativistic perihelion advance as a centrifugal effect (Sonego S., Lanza A.), 279, L65

The Sun

A modified $\mathbb{R}^1 \otimes \mathbb{R}^1$ method for helioseismic rotation inversions (Pijpers F.P., Thompson M.J.), 279, 498

Solar system

Statistical tests of a periodicity hypothesis for crater formation rate – II (Yabushita S.), 279, 727

Pulsation frequency of fireballs: a new method of measuring meteoroid size? (Thuillier M.), 279, 785

Real and imaginary Kirkwood gaps (Murray C.D.), 279, 978

The 1995 outburst and possible origin of the α -Monocerotid meteoroid stream (Rendtel J., Brown P., Molau S.), 279, L31

Stars

The life-cycle of star formation in distant clusters (Barger A.J., Aragón-Salamanca A., Ellis R.S., Couch W.J., Smail I., Sharples R.M.), 279, 1

Higher Paschen lines in the spectra of early-type stars (Frémat Y., Houziaux L., Andrilat Y.), 279, 25

Obscured asymptotic giant branch stars in the Magellanic Clouds – II. Near-infrared and mid-infrared counterparts (Zijlstra A.A., Loup C., Waters L.B.F.M., Whitelock P.A., van Loon J.Th., Guglielmo F.), 279, 32

A new survey for 6.6-GHz methanol masers (Caswell J.L.), 279, 79

Evolutionary scenarios for double degenerate systems (Sarna M.J., Marks P.B., Smith R.C.), 279, 88

Continuum emission associated with 6.7-GHz methanol masers (Ellingsen S.P., Norris R.P., McCulloch P.M.), 279, 101

The influence of binary stars on dwarf spheroidal galaxy kinematics (Hargreaves J.C., Gilmore G., Annan J.D.), 279, 108

Protostellar envelopes: a clue to the initial conditions of star formation (Bonell I.A., Bate M.R., Price N.M.), 279, 121

Compressible fluctuations in an equatorial pulsar wind and a scenario for wisps in the central Crab nebula (Lou Y.-Q.), 279, 129

The chemistry of core collapse in TMCI (Howe D.A., Taylor S.D., Williams D.A.), 279, 143

Wind-accretion induced rapid rotation and a new class of active star (Jeffries R.D., Stevens I.R.), 279, 180

Accretion disc radii in eclipsing cataclysmic variables (Harrop-Allin M.K., Warner B.), 279, 219

Nova Cygni 1992 (V1974 Cygni): MERLIN observations from 1992 to 1994 (Eyles S.P.S., Davis R.J., Bode M.F.), 279, 249

Nova V351 Puppis 1991: a multiwavelength study of the nebular phase (Saizar P., Pachoulakis I., Shore S.N., Starrfield S., Williams R.E., Rothschild E., Sonneborn G.), 279, 280

Star/galaxy classification using Kohonen self-organizing maps (Miller A.S., Coe M.J.), 279, 293

N19: an M-type symbiotic star in the Large Magellanic Cloud (Morgan D.H.), 279, 301

A theory of non-local mixing-length convection – III. Comparing theory and numerical experiment (Grossman S.A.), 279, 305

Magnetic collimation by accretion discs of quasars and stars (Lynden-Bell D.), 279, 389

SPH simulations of tidally unstable accretion discs in cataclysmic variables (Murray J.R.), 279, 402

Tidally induced warps in T Tauri discs – II. A parametric study of spectral energy distributions (Terquem C., Bertout C.), 279, 415

The metallicity distribution of G dwarfs in the solar neighbourhood (Rocha-Pinto H.J., Maciel W.J.), 279, 447

Polarization during binary microlensing (Agol E.), 279, 571

An analytic approach to the secular evolution of cataclysmic variables (Stehle R., Ritter H., Kolb U.), 279, 581

H I line measurements of pulsars towards the Gum nebula and the Carina arm (Johnston S., Koribalski B., Weisberg J.M., Wilson W.), 279, 661

Discovery of six short-period eclipsing binaries in the globular cluster M5 (Yan L., Reid I.N.), 279, 751

The H I distribution in the environment of the WR star HD 50896 (Arnal E.M., Cappa C.E.), 279, 788

Preliminary spectral analysis of SN 1994I (Baron E., Hauschildt P.H., Branch D., Kirshner R.P., Filippenko A.V.), 279, 799

Evolution of the 1–4 μ m spectrum of Nova PW Vulpeculae 1984 (Williams P.M., Longmore A.J., Geballe T.R.), 279, 804

Observing strategies for blank-field surveys in the submillimetre waveband (Blain A.W., Longair M.S.), 279, 847

Continuous opacity from Ne^- (John T.L.), 279, 859

RNO 43: a jet-driven super-outflow (Bence S.J., Richer J.S., Padman R.), 279, 866

Optical, infrared and millimetre-wave properties of Vega-like systems (Sylvester R.J., Skinner C.J., Barlow M.J., Mannings V.), 279, 915

Simulating the emission line radial velocity modulation in discless intermediate polars (Garlick M.A.), 279, 940

RV Tauri stars – I. A long-term photometric survey (Pollard K.R., Cottrell P.L., Kilmartin P.M., Gilmore A.C.), 279, 949

Breaking the sound barrier in recombination fronts (Williams R.J.R., Dyson J.E.), 279, 987

Infrared imaging of late-type stars (Ivezic Ž., Elitzur M.), 279, 1011

Dust emission from IRC + 10216 (Ivezic Ž., Elitzur M.), 279, 1019

Radio observations of PSR B1259–63 around periastron (Johnston S., Manchester R.N., Lyne A.G., D'Amico N., Bailes M., Gaensler B.M., Nicastro L.), 279, 1026

Accretion disc boundary layers around pre-main-sequence stars (Godon P.), 279, 1071

Thresholds on star formation and the chemical evolution of galactic discs: cosmochronology and the age of the Galaxy (Chamcham K., Hendry M.A.), 279, 1083

Rotational disturbance in the intermediate polar BG Canis Minoris (Garlick M.A.), 279, 1101

The response of tidally heated stars (Podsiadlowski Ph.), 279, 1104

Solving the mystery of the heavy-element opacity in the DA white dwarf GD 394 (Barstow M.A., Holberg J.B., Hubeny I., Lanz T., Bruhweiler F.C., Tweedy R.W.), 279, 1120

Energy transport in a rotation-modulated pulsar wind (Melatos A., Melrose D.B.), 279, 1168

Magnetic fields in cometary globules – I. CG 22 (Sridharan T.K., Bhatt H.C., Rajagopal J.), 279, 1191

Chemical evolution in the circumstellar structure of B5 IRS1 (Kelly M.L., Macdonald G.H., Millar T.J.), 279, 1210

A spectroscopic search for red supergiants in the M33 giant H II region NGC 604 (Terlevich E., Diaz A.I., Terlevich R., González-Delgado R.M^a, Pérez E., García Vargas M.L.), 279, 1219

The Parkes Southern Pulsar Survey – I. Observing and data analysis systems and initial results (Manchester R.N., Lyne A.G., D'Amico

N., Bailes M., Johnston S., Lorimer D.R., Harrison P.A., Nicastro L., Bell J.F.), **279**, 1235
 Magnetic reconnection and star formation in molecular clouds (Lubow S.H., Pringle J.E.), **279**, 1251
 Superhumps and ultraviolet superdips: *HST* observations of OY Car (Billington I., Marsh T.R., Horne K., Cheng F.H., Thomas G., Bruch A., O'Donoghue D., Eracleous M.), **279**, 1274
 The spin period of the intermediate polar RX J0558 + 53 (Allan A., Horne K., Hellier C., Mukai K., Barwig H., Bennie P.J., Hilditch R.W.), **279**, 1345
 On the reflection effect in three sdOB binary stars (Hilditch R.W., Harries T.J., Hill G.), **279**, 1380

Interstellar medium (ISM), nebulae

A new survey for 6.6-GHz methanol masers (Caswell J.L.), **279**, 79
 Continuum emission associated with 6.7-GHz methanol masers (Ellingsen S.P., Norris R.P., McCulloch P.M.), **279**, 101
 Protostellar envelopes: a clue to the initial conditions of star formation (Bonnell I.A., Bate M.R., Price N.M.), **279**, 121
 Compressible fluctuations in an equatorial pulsar wind and a scenario for wisps in the central Crab nebula (Lou Y.-Q.), **279**, 129
 The chemistry of core collapse in TMC1 (Howe D.A., Taylor S.D., Williams D.A.), **279**, 143
 Turbulence and magnetic fields in elliptical galaxies (Moss D., Shukurov A.), **279**, 229
 Physical conditions in the transition regions around the Ring Nebula and NGC 7027 (Liu X.-W., Barlow M.J.), **279**, 511
 Galactic extinction and Abell clusters (Nichol R.C., Connolly A.J.), **279**, 521
 Dust in high-redshift radio galaxies and the early evolution of spheroidal galaxies (Mazzei P., De Zotti G.), **279**, 535
 The formation of H₂ by H-atom reaction with grain surfaces (Duley W.W.), **279**, 591
 The H I distribution in the environment of the WR star HD 50896 (Arnal E.M., Cappa C.E.), **279**, 788
 Observing strategies for blank-field surveys in the submillimetre waveband (Blain A.W., Longair M.S.), **279**, 847
 RNO 43: a jet-driven super-outflow (Bence S.J., Richer J.S., Padman R.), **279**, 866
 Breaking the sound barrier in recombination fronts (Williams R.J.R., Dyson J.E.), **279**, 987
 Infrared imaging of late-type stars (Ivezic Z., Elitzur M.), **279**, 1011
 Dust emission from IRC + 10216 (Ivezic Z., Elitzur M.), **279**, 1019
 The Bowen fluorescence lines: overview and re-analysis of the observations (Kastner S.O., Bhatia A.K.), **279**, 1137
 Magnetic fields in cometary globules—I. CG 22 (Sridharan T.K., Bhatt H.C., Rajagopal J.), **279**, 1191
 Chemical evolution in the circumstellar structure of B5 IRS1 (Kelly M.L., Macdonald G.H., Millar T.J.), **279**, 1210
 A spectroscopic search for red supergiants in the M33 giant H II region NGC 604 (Terlevich E., Diaz A.I., Terlevich R., Gonzalez-Delgado R.M., Perez E., Garcia-Vargas M.L.), **279**, 1219
 Magnetic reconnection and star formation in molecular clouds (Lubow S.H., Pringle J.E.), **279**, 1251
 A reanalysis of interstellar OH absorption observations (Roueff E.), **279**, L37
 Synthesis of interstellar CH⁺ without OH (Fedorman S.R., Rawlings J.M.C., Taylor S.D., Williams D.A.), **279**, L41
 Surface features on interstellar ice (McCoustra M., Williams D.A.), **279**, L53

The Galaxy

Dynamical families in the Galactic globular cluster system (Bellazzini M., Vesperini E., Ferraro F.R., Fusi Pecci F.), **279**, 337
 The metallicity distribution of G dwarfs in the solar neighbourhood (Rocha-Pinto H.J., Maciel W.J.), **279**, 447
 Discovery of six short-period eclipsing binaries in the globular cluster M5 (Yan L., Reid I.N.), **279**, 751
 Numerical study of energy diffusion in King models (Theuns T.), **279**, 827
 On the deprojection of the Galactic bulge (Binney J., Gerhard O.), **279**, 1005

Statistics of *N*-body simulations – III. Unequal masses (Giersz M., Heggie D.C.), **279**, 1037
 The response of tidally heated stars (Podsiadlowski Ph.), **279**, 1104
 Adiabatic evolution and capture into resonance: vertical heating of a growing stellar disc (Sridhar S., Touma J.), **279**, 1263

Galaxies

The life-cycle of star formation in distant clusters (Barger A.J., Aragón-Salamanca A., Ellis R.S., Couch W.J., Smail I., Sharples R.M.), **279**, 1
 Obscured asymptotic giant branch stars in the Magellanic Clouds – II. Near-infrared and mid-infrared counterparts (Zijlstra A.A., Loup C., Waters L.B.F.M., Whitelock P.A., van Loon J.Th., Guglielmo F.), **279**, 32
 The relation between the neutral and the ionized gas in NGC 5252 (Prieto M.A., Freudling W.), **279**, 63
 The prediction of the spectral properties of BL Lac samples (Marchal M.J.M., Browne I.W.A.), **279**, 72
 The influence of binary stars on dwarf spheroidal galaxy kinematics (Hargreaves J.C., Gilmore G., Annan J.D.), **279**, 108
 On the wings of broad H α emission in active galactic nuclei (Romano P., Zwitter T., Calvani M., Sulentic J.), **279**, 165
 Kinematics of ionized gas associated with the radio nucleus and lobes in the active galaxy IRAS 04210 + 0400 (Holloway A.J., Steffen W., Pedlar A., Axon D.J., Dyson J.E., Meaburn J., Tadhunter C.N.), **279**, 171
 VIII Zw 105: a starburst galaxy at $z \approx 0.06$? (Brosch N., Hoffman G.L.), **279**, 191
 Pruning the Lyman α forest of Q1331 + 170 (Kulkarni V.P., Huang K., Green R.F., Bechtold J., Welty D.E., York D.G.), **279**, 197
 Turbulence and magnetic fields in elliptical galaxies (Moss D., Shukurov A.), **279**, 229
 The energetics of flat and rotating early-type galaxies and their X-ray luminosity (Ciotti L., Pellegrini S.), **279**, 240
 Morphologies in megaparsec-size powerful radio galaxies (Subrahmanyam R., Saripalli L., Hunstead R.W.), **279**, 257
 On the interpretation of the He II absorption in the line of sight of Q0302-003 (Nath B.B., Sethi S.K.), **279**, 275
 N19: an M-type symbiotic star in the Large Magellanic Cloud (Morgan D.H.), **279**, 301
 On the dynamics of the cores of galaxy clusters (den Hartog R., Katgert P.), **279**, 349
 Magnetic collimation by accretion discs of quasars and stars (Lynden-Bell D.), **279**, 389
 Optical monitoring of luminous AGN – I. Radio-loud quasars (Netzer H., Heller A., Loinger F., Alexander T., Baldwin J.A., Wills B.J., Han M., Frueh M., Higdon J.L.), **279**, 429
 A new large sample of ultraluminous *IRAS* galaxies (Clements D.L., Sutherland W.J., Saunders W., Efstathiou G.P., McMahon R.G., Maddox S., Lawrence A., Rowan-Robinson M.), **279**, 459
 Optical imaging of ultraluminous *IRAS* galaxies: how many are mergers? (Clements D.L., Sutherland W.J., McMahon R.G., Saunders W.), **279**, 477
 Galactic extinction and Abell clusters (Nichol R.C., Connolly A.J.), **279**, 521
 The *ROSAT* X-ray spectra of BL Lacertae objects (Padovani P., Giommi P.), **279**, 526
 Dust in high-redshift radio galaxies and the early evolution of spheroidal galaxies (Mazzei P., De Zotti G.), **279**, 535
 Using the kinematic Sunyaev-Zeldovich effect to determine the peculiar velocities of clusters of galaxies (Haehnelt M.G., Tegmark M.), **279**, 545
 Kurtosis in large-scale structure as a constraint on non-Gaussian initial conditions (Chodorowski M.J., Bouchet F.R.), **279**, 557
 Blue compact dwarf galaxies and new velocities in Virgo (Drinkwater M.J., Currie M.J., Young C.K., Hardy E., Yearsley J.M.), **279**, 595
 A combined X-ray and gravitational lensing study of the massive cooling-flow cluster PKS 0745-191 (Allen S.W., Fabian A.C., Kneib J.P.), **279**, 615
 The clustering of warm and cool *IRAS* galaxies (Mann R.G., Saunders W., Taylor A.N.), **279**, 636
 The effect of spatial correlations in a chaotic velocity field on the D/H measurements from QSO absorption spectra (Levshakov S.A., Takahara F.), **279**, 651

Three-integral oblate galaxy models (Robijn F.H.A., de Zeeuw P.T.), 279, 673

The broad iron K emission line in the Seyfert 2 galaxy IRAS 18325-5926 (Iwasawa K., Fabian A.C., Mushotzky R.F., Brandt W.N., Awaki H., Kunieda H.), 279, 837

Observing strategies for blank-field surveys in the submillimetre waveband (Blain A.W., Longair M.S.), 279, 847

Radiative transfer models for IRAS F10214 + 4724 (Green S.M., Rowan-Robinson M.), 279, 884

The deceleration of relativistic jets by entrainment (Bowman M., Leahy J.P., Komissarov S.S.), 279, 899

On the deprojection of axisymmetric bodies (Gerhard O., Binney J.), 279, 993

The Muenster Redshift Project: improved methods for automated galaxy redshift measurements from very low-dispersion objective-prism spectra (Schuecker P.), 279, 1057

Thresholds on star formation and the chemical evolution of galactic discs: cosmochronology and the age of the Galaxy (Chamcham K., Hendry M.A.), 279, 1083

Compact radio structure in the Seyfert nucleus of NGC 5929 (Su B.M., Muxlow T.W.B., Pedlar A., Holloway A.J., Steffen W., Kukula M.J., Mutel R.L.), 279, 1111

K-band photometry of spectroscopic redshift survey objects (Gardner J.P.), 279, 1157

Observations of the radio jets in NGC 5090 (PKS B1318-434) (Lloyd B.D., Jones P.A., Haynes R.F.), 279, 1197

Adiabatic evolution and capture into resonance: vertical heating of a growing stellar disc (Sridhar S., Touma J.), 279, 1263

The R-band Hubble diagram for gigahertz peaked spectrum radio galaxies (Snellen I.A.G., Bremer M.N., Schilizzi R.T., Miley G.K., van Ojik R.), 279, 1294

The distribution of pairwise peculiar velocities in the non-linear regime (Sheth R.K.), 279, 1310

Imaging polarimetry of the luminous merger galaxy NGC 3256 (Scarrott S.M., Draper P.W., Stockdale D.P.), 279, 1325

The soft X-ray properties of a complete sample of radio sources (Siebert J., Brinkmann W., Morganti R., Tadhunter C.N., Danziger I.J., Fosbury R.A.E., di Serego Alighieri S.), 279, 1331

A quasar with ultrastrong, ultraviolet Fe II emission (Graham M.J., Clowes R.G., Campusano L.E.), 279, 1349

Galaxy counts and the galaxy two-point angular correlation function to $I = 23$ (Lidman C.E., Peterson B.A.), 279, 1357

A study of 4C 13.66 – the final identification and redshift for the revised 3C sample (Rawlings S., Lacy M., Leahy J.P., Dunlop J.S., Garrington S.T., Lüdke E.), 279, L13

The origin of the correlation between the UV and X-rays in NGC 4151 (Zdziarski A.A., Magdziarz P.), 279, L21

The optical identification of a primeval galaxy at $z \geq 4.4$ (Fontana A., Cristiani S., D'Odorico S., Giallongo E., Savaglio S.), 279, L27

Galaxy morphology to $I = 25$ mag in the *Hubble Deep Field* (Abraham R.G., Tanvir N.R., Santiago B.X., Ellis R.S., Glazebrook K., van den Bergh S.), 279, L47

Spectropolarimetry of 3C 265, a misaligned radio galaxy (di Serego Alighieri S., Cimatti A., Fosbury R.A.E., Perez-Fournon I.), 279, L57

Gravitational collapse in the presence of a finite-amplitude circularly polarized Alfvén wave (Lou Y.-Q.), 279, L67

Scattered broad optical lines in the polarized flux spectrum of the FR II galaxy 3C 321 (Young S., Hough J.H., Efstathiou A., Wills B.J., Axon D.J., Bailey J.A., Ward M.J.), 279, L72

Cosmology

The life-cycle of star formation in distant clusters (Barger A.J., Aragón-Salamanca A., Ellis R.S., Couch W.J., Smail I., Sharples R.M.), 279, 1

On the interpretation of the He II absorption in the line of sight of Q0302-003 (Nath B.B., Sethi S.K.), 279, 275

On the dynamics of the cores of galaxy clusters (den Hartog R., Katgert P.), 279, 349

Galactic extinction and Abell clusters (Nichol R.C., Connolly A.J.), 279, 521

Using the kinematic Sunyaev-Zeldovich effect to determine the peculiar velocities of clusters of galaxies (Haehnelt M.G., Tegmark M.), 279, 545

Kurtosis in large-scale structure as a constraint on non-Gaussian initial conditions (Chodorowski M.J., Bouchet F.R.), 279, 557

Framework for cosmography at high redshift (Triay R., Spinelli L., Lafaye R.), 279, 564

Polarization during binary microlensing (Agol E.), 279, 571

A combined X-ray and gravitational lensing study of the massive cooling-flow cluster PKS 0745-191 (Allen S.W., Fabian A.C., Kneib J.P.), 279, 615

The clustering of warm and cool *IRAS* galaxies (Mann R.G., Saunders W., Taylor A.N.), 279, 636

A new method for accurate estimation of velocity field statistics (Bernardeau F., van de Weygaert R.), 279, 693

Decaying Λ cosmologies and statistical properties of gravitational lenses (Bloomfield Torres L.F., Waga I.), 279, 712

Observing strategies for blank-field surveys in the submillimetre waveband (Blain A.W., Longair M.S.), 279, 847

The Muenster Redshift Project: improved methods for automated galaxy redshift measurements from very low-dispersion objective-prism spectra (Schuecker P.), 279, 1057

Thresholds on star formation and the chemical evolution of galactic discs: cosmochronology and the age of the Galaxy (Chamcham K., Hendry M.A.), 279, 1083

Ω from the *COBE*-DMR anisotropy maps (Cayón L., Martínez-González E., Sanz J.L., Sugiyama N., Torres S.), 279, 1095

K-band photometry of spectroscopic redshift survey objects (Gardner J.P.), 279, 1157

The correlation between bulk and shell velocities in cosmology (Loke H.Y., Heavens A.F.), 279, 1303

The distribution of pairwise peculiar velocities in the non-linear regime (Sheth R.K.), 279, 1310

Galaxy counts and the galaxy two-point angular correlation function to $I = 23$ (Lidman C.E., Peterson B.A.), 279, 1357

The non-linear redshift-space power spectrum: Ω from redshift surveys (Fisher K.B., Nusser A.), 279, L1

Wide-field EVN observations of the gravitational lens system 2016 + 112 (Garrett M.A., Porcas R.W., Nair S., Patnaik A.R.), 279, L7

Galaxy morphology to $I = 25$ mag in the *Hubble Deep Field* (Abraham R.G., Tanvir N.R., Santiago B.X., Ellis R.S., Glazebrook K., van den Bergh S.), 279, L47

Gravitational collapse in the presence of a finite-amplitude circularly polarized Alfvén wave (Lou Y.-Q.), 279, L67

Sources as a function of wavelength

Obscured asymptotic giant branch stars in the Magellanic Clouds – II. Near-infrared and mid-infrared counterparts (Zijlstra A.A., Loup C., Waters L.B.F.M., Whitelock P.A., van Loon J.Th., Guglielmo F.), 279, 32

The relation between the neutral and the ionized gas in NGC 5252 (Prieto M.A., Freudling W.), 279, 63

The prediction of the spectral properties of BL Lac samples (Marchá M.J., Browne I.W.A.), 279, 72

Continuum emission associated with 6.7-GHz methanol masers (Ellingsen S.P., Norris R.P., McCulloch P.M.), 279, 101

The energetics of flat and rotating early-type galaxies and their X-ray luminosity (Ciotti L., Pellegrini S.), 279, 240

Nova Cygni 1992 (V1974 Cygni): MERLIN observations from 1992 to 1994 (Eyles S.P.S., Davis R.J., Bode M.F.), 279, 249

Morphologies in megaparsec-size powerful radio galaxies (Subrahmanyam R., Saripalli L., Hunstead R.W.), 279, 257

Nova V351 Puppis 1991: a multiwavelength study of the nebular phase (Saizar P., Pachoulakis I., Shore S.N., Starfield S., Williams R.E., Rothschild E., Sonneborn G.), 279, 280

Tidally induced warps in T Tauri discs – II. A parametric study of spectral energy distributions (Terquem C., Bertout C.), 279, 415

A new large sample of ultraluminous *IRAS* galaxies (Clements D.L., Sutherland W.J., Saunders W., Efstathiou G.P., McMahon R.G., Maddox S., Lawrence A., Rowan-Robinson M.), 279, 459

Optical imaging of ultraluminous *IRAS* galaxies: how many are mergers? (Clements D.L., Sutherland W.J., McMahon R.G., Saunders W.), 279, 477

Galactic extinction and Abell clusters (Nichol R.C., Connolly A.J.), 279, 521

The *ROSAT* X-ray spectra of BL Lacertae objects (Padovani P., Giommi P.), 279, 526

Dust in high-redshift radio galaxies and the early evolution of spheroidal galaxies (Mazzei P., De Zotti G.), 279, 535

A combined X-ray and gravitational lensing study of the massive

cooling-flow cluster PKS 0745–191 (Allen S.W., Fabian A.C., Kneib J.P.), **279**, 615

H β line measurements of pulsars towards the Gum nebula and the Carina arm (Johnston S., Koribalski B., Weisberg J.M., Wilson W.), **279**, 661

An X-ray all-sky monitor with extraordinary sensitivity (Priedhorsky W.C., Peele A.G., Nugent K.A.), **279**, 733

The H β distribution in the environment of the WR star HD 50896 (Arnal E.M., Cappa C.E.), **279**, 788

Evolution of the 1–4 μ m spectrum of Nova PW Vulpeculae 1984 (Williams P.M., Longmore A.J., Geballe T.R.), **279**, 804

The broad iron K emission line in the Seyfert 2 galaxy IRAS 18325–5926 (Iwasawa K., Fabian A.C., Mushotzky R.F., Brandt W.N., Awaki H., Kunieda H.), **279**, 837

Observing strategies for blank-field surveys in the submillimetre waveband (Blain A.W., Longair M.S.), **279**, 847

Continuous opacity from Ne $^-$ (John T.L.), **279**, 859

RNO 43: a jet-driven super-outflow (Bence S.J., Richer J.S., Padman R.), **279**, 866

Radiative transfer models for IRAS F10214 + 4724 (Green S.M., Rowan-Robinson M.), **279**, 884

Optical, infrared and millimetre-wave properties of Vega-like systems (Sylvester R.J., Skinner C.J., Barlow M.J., Mannings V.), **279**, 915

Infrared imaging of late-type stars (Ivezić Ž., Elitzur M.), **279**, 1011

Dust emission from IRC + 10216 (Ivezić Ž., Elitzur M.), **279**, 1019

The response of tidally heated stars (Podsiadlowski Ph.), **279**, 1104

Compact radio structure in the Seyfert nucleus of NGC 5929 (Su B.M., Muxlow T.W.B., Pedlar A., Holloway A.J., Steffen W., Kukula M.J., Mutel R.L.), **279**, 1111

Solving the mystery of the heavy-element opacity in the DA white dwarf GD 394 (Barstow M.A., Holberg J.B., Hubeny I., Lanz T., Bruhweiler F.C., Tweedy R.W.), **279**, 1120

K-band photometry of spectroscopic redshift survey objects (Gardner J.P.), **279**, 1157

Observations of the radio jets in NGC 5090 (PKS B1318–434) (Lloyd B.D., Jones P.A., Haynes R.F.), **279**, 1197

Superhumps and ultraviolet superdips: *HST* observations of OY Car (Billington I., Marsh T.R., Horne K., Cheng F.H., Thomas G., Bruch A., O'Donoghue D., Eracleous M.), **279**, 1274

The soft X-ray properties of a complete sample of radio sources (Siebert J., Brinkmann W., Morganti R., Tadhunter C.N., Danziger I.J., Fosbury R.A.E., di Serego Alighieri S.), **279**, 1331

The spin period of the intermediate polar RX J0558 + 53 (Allan A., Horne K., Hellier C., Mukai K., Barwig H., Bennie P.J., Hilditch R.W.), **279**, 1345

A quasar with ultrastrong, ultraviolet Fe II emission (Graham M.J., Clowes R.G., Campusano L.E.), **279**, 1349

Wide-field EVN observations of the gravitational lens system 2016 + 112 (Garrett M.A., Porcas R.W., Nair S., Patnaik A.R.), **279**, L7

A study of 4C 13.66 – the final identification and redshift for the revised 3C sample (Rawlings S., Lacy M., Leahy J.P., Dunlop J.S., Garrington S.T., Lüdke E.), **279**, L13

The origin of the correlation between the UV and X-rays in NGC 4151 (Zdziarski A.A., Magdziarz P.), **279**, L21

A reanalysis of interstellar OH absorption observations (Roueff E.), **279**, L37

Spectropolarimetry of 3C 265, a misaligned radio galaxy (di Serego Alighieri S., Cimatti A., Fosbury R.A.E., Perez-Fournon I.), **279**, L57

AUTHOR INDEX

Abraham R.G., Tanvir N.R., Santiago B.X., Ellis R.S., Glazebrook K., van den Bergh S., Galaxy morphology to $I = 25$ mag in the *Hubble Deep Field*, 279, L47

Agol E., Polarization during binary microlensing, 279, 571

Alexander T. *see* Netzer H.

Allan A., Horne K., Hellier C., Mukai K., Barwig H., Bennie P.J., Hilditch R.W., The spin period of the intermediate polar RX J0558 + 53, 279, 1345

Allen S.W., Fabian A.C., Kneib J.P., A combined X-ray and gravitational lensing study of the massive cooling-flow cluster PKS 0745-191, 279, 615

Andrillat Y. *see* Frémat Y.

Annan J.D. *see* Hargreaves J.C.

Aragón-Salamanca A. *see* Barger A.J.

Arnal E.M., Cappa C.E., The H I distribution in the environment of the WR star HD 50896, 279, 788

Awaki H. *see* Iwasawa K.

Axon D.J. *see* Holloway A.J.

Axon D.J. *see* Young S.

Bailes M. *see* Johnston S.

Bailes M. *see* Manchester R.N.

Bailey J.A. *see* Young S.

Baldwin J.A. *see* Netzer H.

Barger A.J., Aragón-Salamanca A., Ellis R.S., Couch W.J., Smail I., Sharples R.M., The life-cycle of star formation in distant clusters, 279, 1

Barlow M.J. *see* Liu X.-W.

Barlow M.J. *see* Sylvester R.J.

Baron E., Hauschildt P.H., Branch D., Kirshner R.P., Filippenko A.V., Preliminary spectral analysis of SN 1994I, 279, 799

Barstow M.A., Holberg J.B., Hubeny I., Lanz T., Bruhweiler F.C., Tweedy R.W., Solving the mystery of the heavy-element opacity in the DA white dwarf GD 394, 279, 1120

Barwig H. *see* Allan A.

Bate M.R. *see* Bonnell I.A.

Bechtold J. *see* Kulkarni V.P.

Bell J.F. *see* Manchester R.N.

Bell K.L. *see* Fleming J.

Bellazzini M., Vesperini E., Ferraro F.R., Fusi Pecci F., Dynamical families in the Galactic globular cluster system, 279, 337

Bence S.J., Richer J.S., Padman R., RNO 43: a jet-driven super-outflow, 279, 866

Bennie P.J. *see* Allan A.

Bernardeau F., van de Weygaert R., A new method for accurate estimation of velocity field statistics, 279, 693

Bertout C. *see* Terquem C.

Bhatia A.K. *see* Kastner S.O.

Bhatt H.C. *see* Sridharan T.K.

Billington I., Marsh T.R., Horne K., Cheng F.H., Thomas G., Bruch A., O'Donoghue D., Eracleous M., Superhumps and ultraviolet superdips: *HST* observations of OY Car, 279, 1274

Binney J. *see* Gerhard O.

Binney J., Gerhard O., On the deprojection of the Galactic bulge, 279, 1005

Blain A.W., Longair M.S., Observing strategies for blank-field surveys in the submillimetre waveband, 279, 847

Bloomfield Torres L.F., Waga I., Decaying Λ cosmologies and statistical properties of gravitational lenses, 279, 712

Bode M.F. *see* Eyres S.P.S.

Bonnell I.A., Bate M.R., Price N.M., Protostellar envelopes: a clue to the initial conditions of star formation, 279, 121

Bouchet F.R. *see* Chodorowski M.J.

Bowman M., Leahy J.P., Komissarov S.S., The deceleration of relativistic jets by entrainment, 279, 899

Branch D. *see* Baron E.

Brandt W.N. *see* Iwasawa K.

Bremer M.N. *see* Snellen I.A.G.

Brinkmann W. *see* Siebert J.

Brosch N., Hoffman G.L., VIII Zw 105: a starburst galaxy at $z \approx 0.06$?, 279, 191

Brown P. *see* Rendtel J.

Browne I.W.A. *see* Marcha M.J.M.

Bruch A. *see* Billington I.

Bruhweiler F.C. *see* Barstow M.A.

Calvani M. *see* Romano P.

Campusano L.E. *see* Graham M.J.

Cappa C.E. *see* Arnal E.M.

Caswell J.L., A new survey for 6.6-GHz methanol masers, 279, 79

Cayón L., Martínez-González E., Sanz J.L., Sugiyama N., Torres S., Ω from the COBE-DMR anisotropy maps, 279, 1095

Chamchan K., Hendry M.A., Thresholds on star formation and the chemical evolution of galactic discs: cosmochronology and the age of the Galaxy, 279, 1083

Cheng F.H. *see* Billington I.

Chodorowski M.J., Bouchet F.R., Kurtosis in large-scale structure as a constraint on non-Gaussian initial conditions, 279, 557

Cimatti A. *see* di Serego Alighieri S.

Ciotti L., Pellegrini S., The energetics of flat and rotating early-type galaxies and their X-ray luminosity, 279, 240

Clements D.L., Sutherland W.J., McMahon R.G., Saunders W., Optical imaging of ultraluminous *IRAS* galaxies: how many are mergers?, 279, 477

Clements D.L., Sutherland W.J., Saunders W., Efstathiou G.P., McMahon R.G., Maddox S., Lawrence A., Rowan-Robinson M., A new large sample of ultraluminous *IRAS* galaxies, 279, 459

Clowes R.G. *see* Graham M.J.

Coe M.J. *see* Miller A.S.

Connolly A.J. *see* Nichol R.C.

Cottrell P.L. *see* Pollard K.R.

Couch W.J. *see* Barger A.J.

Cristiani S. *see* Fontana A.

Currie M.J. *see* Drinkwater M.J.

D'Amico N. *see* Johnston S.

D'Amico N. *see* Manchester R.N.

Danziger I.J. *see* Siebert J.

Davis R.J. *see* Eyres S.P.S.

de Zeeuw P.T. *see* Robijn F.H.A.

De Zotti G. *see* Mazzetti P.

den Hartog R., Katgert P., On the dynamics of the cores of galaxy clusters, 279, 349

di Serego Alighieri S. *see* Siebert J.

di Serego Alighieri S., Cimatti A., Fosbury R.A.E., Perez-Fournon I., Spectropolarimetry of 3C 265, a misaligned radio galaxy, 279, L57

Díaz A.I. *see* Terlevich E.

D'Odorico S. *see* Fontana A.

Draper P.W. *see* Scarrott S.M.

Drinkwater M.J., Currie M.J., Young C.K., Hardy E., Yearsley J.M., Blue compact dwarf galaxies and new velocities in Virgo, 279, 595

Duley W.W., The formation of H_2 by H-atom reaction with grain surfaces, 279, 591

Dunlop J.S. *see* Rawlings S.

Dyson J.E. *see* Holloway A.J.

Dyson J.E. *see* Williams R.J.R.

Efstathiou A. *see* Young S.

Efstathiou G.P. *see* Clements D.L.

Elitzur M. *see* Ivezic Ž.

Ellingsen S.P., Norris R.P., McCulloch P.M., Continuum emission associated with 6.7-GHz methanol masers, 279, 101

Ellis R.S. *see* Abraham R.G.

Ellis R.S. *see* Barger A.J.

Eracleous M. *see* Billington I.

Eyres S.P.S., Davis R.J., Bode M.F., Nova Cygni 1992 (V1974 Cygni): MERLIN observations from 1992 to 1994, 279, 249

Fabian A.C. *see* Allen S.W.

Fabian A.C. *see* Iwasawa K.

Federman S.R., Rawlings J.M.C., Taylor S.D., Williams D.A., Synthesis of interstellar CH^+ without OH, 279, L41

Ferraro F.R. *see* Bellazzini M.

Filippenko A.V. *see* Baron E.

Fisher K.B., Nusser A., The non-linear redshift-space power spectrum: Ω from redshift surveys, 279, L1

Fleming J., Bell K.L., Hibbert A., Vaeck N., Godefroid M.R., *Forbidden transitions in B II, C III, O V, Ne VII and Mg IX*, **279**, 1289

Fontana A., Cristiani S., D'Odorico S., Giallongo E., Savaglio S., *The optical identification of a primeval galaxy at $z \gtrsim 4.4$* , **279**, L27

Fosbury R.A.E. *see* di Serego Alighieri S.

Fosbury R.A.E. *see* Siebert J.

Frémat Y., Houziaux L., Andriat Y., *Higher Paschen lines in the spectra of early-type stars*, **279**, 25

Freudling W. *see* Prieto M.A.

Frueh M. *see* Netzer H.

Fusi Pecci F. *see* Bellazzini M.

Gaensler B.M. *see* Johnston S.

Garcia Vargas M.L. *see* Terlevich E.

Gardner J.P., *K-band photometry of spectroscopic redshift survey objects*, **279**, 1157

Garlick M.A., *Rotational disturbance in the intermediate polar BG Canis Minoris*, **279**, 1101

Garlick M.A., *Simulating the emission line radial velocity modulation in discless intermediate polars*, **279**, 940

Garrett M.A., Porcas R.W., Nair S., Patnaik A.R., *Wide-field EVN observations of the gravitational lens system 2016 + 112*, **279**, L7

Garrington S.T. *see* Rawlings S.

Geballe T.R. *see* Williams P.M.

Gerhard O. *see* Binney J.

Gerhard O., Binney J., *On the deprojection of axisymmetric bodies*, **279**, 993

Giallongo E. *see* Fontana A.

Giersz M., Heggie D.C., *Statistics of N-body simulations – III. Unequal masses*, **279**, 1037

Gilmore A.C. *see* Pollard K.R.

Gilmore G. *see* Hargreaves J.C.

Giommi P. *see* Padovani P.

Glazebrook K. *see* Abraham R.G.

Godefroid M.R. *see* Fleming J.

Godon P., *Accretion disc boundary layers around pre-main-sequence stars*, **279**, 1071

González-Delgado R.M. *see* Terlevich E.

Graham M.J., Clowes R.G., Campusano L.E., *A quasar with ultrastrong, ultraviolet Fe II emission*, **279**, 1349

Green R.F. *see* Kulkarni V.P.

Green S.M., Rowan-Robinson M., *Radiative transfer models for IRAS F10214 + 4724*, **279**, 884

Grossman S.A., *A theory of non-local mixing-length convection – III. Comparing theory and numerical experiment*, **279**, 305

Guglielmo F. *see* Zijlstra A.A.

Haehnelt M.G., Tegmark M., *Using the kinematic Sunyaev–Zeldovich effect to determine the peculiar velocities of clusters of galaxies*, **279**, 545

Han M. *see* Netzer H.

Hardy E. *see* Drinkwater M.J.

Hargreaves J.C., Gilmore G., Annan J.D., *The influence of binary stars on dwarf spheroidal galaxy kinematics*, **279**, 108

Harries T.J. *see* Hilditch R.W.

Harrison P.A. *see* Manchester R.N.

Harrop-Allin M.K., Warner B., *Accretion disc radii in eclipsing cataclysmic variables*, **279**, 219

Hauschildt P.H. *see* Baron E.

Haynes R.F. *see* Lloyd B.D.

Heavens A.F. *see* Loke H.Y.

Heggie D.C. *see* Giersz M.

Heller A. *see* Netzer H.

Hellier C. *see* Allan A.

Hendry M.A. *see* Chamcham K.

Hibbert A. *see* Fleming J.

Higdon J.L. *see* Netzer H.

Hilditch R.W. *see* Allan A.

Hilditch R.W., Harries T.J., Hill G., *On the reflection effect in three sdOB binary stars*, **279**, 1380

Hill G. *see* Hilditch R.W.

Hoffman G.L. *see* Brosch N.

Holberg J.B. *see* Barstow M.A.

Holloway A.J. *see* Su B.M.

Holloway A.J., Steffen W., Pedlar A., Axon D.J., Dyson J.E., Meaburn J., Tadhunter C.N., *Kinematics of ionized gas associated with the radio nucleus and lobes in the active galaxy IRAS 04210 + 0400*, **279**, 171

Horne K. *see* Allan A.

Horne K. *see* Billington I.

Hough J.H. *see* Young S.

Houziaux L. *see* Frémat Y.

Howe D.A., Taylor S.D., Williams D.A., *The chemistry of core collapse in TMC1*, **279**, 143

Huang K. *see* Kulkarni V.P.

Hubeny I. *see* Barstow M.A.

Hunstead R.W. *see* Subrahmanyan R.

Ivezic Ž., Elitzur M., *Dust emission from IRC + 10216*, **279**, 1019

Ivezic Ž., Elitzur M., *Infrared imaging of late-type stars*, **279**, 1011

Iwasawa K., Fabian A.C., Mushotzky R.F., Brandt W.N., Awaki H., Kunieda H., *The broad iron K emission line in the Seyfert 2 galaxy IRAS 18325–5926*, **279**, 837

Jeffries R.D., Stevens I.R., *Wind-accretion induced rapid rotation and a new class of active star*, **279**, 180

John T.L., *Continuous opacity from Ne⁺*, **279**, 859

Johnston S. *see* Manchester R.N.

Johnston S., Koribalski B., Weisberg J.M., Wilson W., *H I line measurements of pulsars towards the Gum nebula and the Carina arm*, **279**, 661

Johnston S., Manchester R.N., Lyne A.G., D'Amico N., Bailes M., Gaensler B.M., Nicastro L., *Radio observations of PSR B1259–63 around periastron*, **279**, 1026

Jones P.A. *see* Lloyd B.D.

Kastner S.O., Bhatia A.K., *The Bowen fluorescence lines: overview and re-analysis of the observations*, **279**, 1137

Katgert P. *see* den Hartog R.

Kelly M.L., Macdonald G.H., Millar T.J., *Chemical evolution in the circumstellar structure of B5 IRS1*, **279**, 1210

Kilmartin P.M. *see* Pollard K.R.

Kirshner R.P. *see* Baron E.

Kneib J.P. *see* Allen S.W.

Kolb U. *see* Stehle R.

Komissarov S.S. *see* Bowman M.

Königl A., Wardle M., *A comment on the stability of magnetic wind-driving accretion discs*, **279**, L61

Koribalski B. *see* Johnston S.

Kukula M.J. *see* Su B.M.

Kulkarni V.P., Huang K., Green R.F., Bechtold J., Welty D.E., York D.G., *Pruning the Lyman α forest of Q1331 + 170*, **279**, 197

Kunieda H. *see* Iwasawa K.

Lacy M. *see* Rawlings S.

Lafaye R. *see* Triay R.

Lanz T. *see* Barstow M.A.

Lanza A. *see* Sonego S.

Lawrence A. *see* Clements D.L.

Leahy J.P. *see* Bowman M.

Leahy J.P. *see* Rawlings S.

Levshakov S.A., Takahara F., *The effect of spatial correlations in a chaotic velocity field on the D/H measurements from QSO absorption spectra*, **279**, 651

Lidman C.E., Peterson B.A., *Galaxy counts and the galaxy two-point angular correlation function to $I = 23$* , **279**, 1357

Liu X.-W., Barlow M.J., *Physical conditions in the transition regions around the Ring Nebula and NGC 7027*, **279**, 511

Lloyd B.D., Jones P.A., Haynes R.F., *Observations of the radio jets in NGC 5090 (PKS B1318–434)*, **279**, 1197

Loinger F. *see* Netzer H.

Loke H.Y., Heavens A.F., *The correlation between bulk and shell velocities in cosmology*, **279**, 1303

Longair M.S. *see* Blain A.W.

Longmore A.J. *see* Williams P.M.

Lorimer D.R. *see* Manchester R.N.

Lou Y.-Q., *Compressible fluctuations in an equatorial pulsar wind and a scenario for wisps in the central Crab nebula*, **279**, 129

Lou Y.-Q., *Gravitational collapse in the presence of a finite-amplitude circularly polarized Alfvén wave*, **279**, L67

Loup C. *see* Zijlstra A.A.

Lubow S.H., Pringle J.E., *Magnetic reconnection and star formation in molecular clouds*, **279**, 1251

Lüdke E. *see* Rawlings S.

Lynden-Bell D., Magnetic collimation by accretion discs of quasars and stars, **279**, 389

Lyne A.G. *see* Johnston S.

Lyne A.G. *see* Manchester R.N.

McCoustra M., Williams D.A., Surface features on interstellar ice, **279**, L53

McCulloch P.M. *see* Ellingsen S.P.

Macdonald G.H. *see* Kelly M.L.

Maciel W.J. *see* Rocha-Pinto H.J.

McMahon R.G. *see* Clements D.L.

Maddox S. *see* Clements D.L.

Magdziarz P. *see* Zdziarski A.A.

Manchester R.N. *see* Johnston S.

Manchester R.N., Lyne A.G., D'Amico N., Bailes M., Johnston S., Lorimer D.R., Harrison P.A., Nicastro L., Bell J.F., The Parkes Southern Pulsar Survey – I. Observing and data analysis systems and initial results, **279**, 1235

Mann R.G., Saunders W., Taylor A.N., The clustering of warm and cool *IRAS* galaxies, **279**, 636

Mannings V. *see* Sylvester R.J.

Marchà M.J.M., Browne I.W.A., The prediction of the spectral properties of BL Lac samples, **279**, 72

Marks P.B. *see* Sarna M.J.

Marsh T.R. *see* Billington I.

Martínez-González E. *see* Cayón L.

Mazzei P., De Zotti G., Dust in high-redshift radio galaxies and the early evolution of spheroidal galaxies, **279**, 535

Meaburn J. *see* Holloway A.J.

Melatos A., Melrose D.B., Energy transport in a rotation-modulated pulsar wind, **279**, 1168

Melrose D.B. *see* Melatos A.

Miley G.K. *see* Snellen I.A.G.

Millar T.J. *see* Kelly M.L.

Miller A.S., Coe M.J., Star/galaxy classification using Kohonen self-organizing maps, **279**, 293

Molau S. *see* Rendtel J.

Morgan D.H., N19: an M-type symbiotic star in the Large Magellanic Cloud, **279**, 301

Morganti R. *see* Siebert J.

Moss D., Shukurov A., Turbulence and magnetic fields in elliptical galaxies, **279**, 229

Mukai K. *see* Allan A.

Murray C.D., Real and imaginary Kirkwood gaps, **279**, 978

Murray J.R., SPH simulations of tidally unstable accretion discs in cataclysmic variables, **279**, 402

Mushotzky R.F. *see* Iwasawa K.

Mutel R.L. *see* Su B.M.

Muxlow T.W.B. *see* Su B.M.

Nair S. *see* Garrett M.A.

Nath B.B., Sethi S.K., On the interpretation of the He II absorption in the line of sight of Q0302-003, **279**, 275

Netzer H., Heller A., Loinger F., Alexander T., Baldwin J.A., Wills B.J., Han M., Frueh M., Higdon J.L., Optical monitoring of luminous AGN – I. Radio-loud quasars, **279**, 429

Nicastro L. *see* Johnston S.

Nicastro L. *see* Manchester R.N.

Nichol R.C., Connolly A.J., Galactic extinction and Abell clusters, **279**, 521

Norris R.P. *see* Ellingsen S.P.

Nugent K.A. *see* Priedhorsky W.C.

Nusser A. *see* Fisher K.B.

O'Donoghue D. *see* Billington I.

Ogilvie G.I., Pringle J.E., The non-axisymmetric instability of a cylindrical shear flow containing an azimuthal magnetic field, **279**, 152

Pachoulakis I. *see* Saizar P.

Padman R. *see* Bence S.J.

Padovani P., Giommi P., The *ROSAT* X-ray spectra of BL Lacertae objects, **279**, 526

Papaloizou J.C.B. *see* Terquem C.

Patnaik A.R. *see* Garrett M.A.

Pedlar A. *see* Holloway A.J.

Pedlar A. *see* Su B.M.

Peele A.G. *see* Priedhorsky W.C.

Pellegrini S. *see* Ciotti L.

Pérez E. *see* Terlevich E.

Perez-Fournon I. *see* di Serego Alighieri S.

Peterson B.A. *see* Lidman C.E.

Pijpers F.P., Thompson M.J., A modified $R^1 \otimes R^1$ method for helioseismic rotation inversions, **279**, 498

Podsiadlowski Ph., The response of tidally heated stars, **279**, 1104

Pollard K.R., Cottrell P.L., Kilmartin P.M., Gilmore A.C., RV Tauri stars – I. A long-term photometric survey, **279**, 949

Porcas R.W. *see* Garrett M.A.

Price N.M. *see* Bonnell I.A.

Priedhorsky W.C., Peele A.G., Nugent K.A., An X-ray all-sky monitor with extraordinary sensitivity, **279**, 733

Prieto M.A., Freudling W., The relation between the neutral and the ionized gas in NGC 5252, **279**, 63

Pringle J.E. *see* Lubow S.H.

Pringle J.E. *see* Ogilvie G.I.

Rajagopal J. *see* Sridharan T.K.

Rawlings J.M.C. *see* Federman S.R.

Rawlings S., Lacy M., Leahy J.P., Dunlop J.S., Garrington S.T., Lüdke E., A study of 4C 13.66 – the final identification and redshift for the revised 3C sample, **279**, L13

Reid I.N. *see* Yan L.

Rendtel J., Brown P., Molau S., The 1995 outburst and possible origin of the α -Monocerotid meteoroid stream, **279**, L31

Richer J.S. *see* Bence S.J.

Ritter H. *see* Stehle R.

Robijn F.H.A., de Zeeuw P.T., Three-integral oblate galaxy models, **279**, 673

Rocha-Pinto H.J., Maciel W.J., The metallicity distribution of G dwarfs in the solar neighbourhood, **279**, 447

Romano P., Zwitter T., Calvani M., Sulentic J., On the wings of broad H α emission in active galactic nuclei, **279**, 165

Rothschild E. *see* Saizar P.

Roueff E., A reanalysis of interstellar OH absorption observations, **279**, L37

Rowan-Robinson M. *see* Clements D.L.

Rowan-Robinson M. *see* Green S.M.

Saizar P., Pachoulakis I., Shore S.N., Starrfield S., Williams R.E., Rothschild E., Sonneborn G., Nova V351 Puppis 1991: a multiwavelength study of the nebular phase, **279**, 280

Santiago B.X. *see* Abraham R.G.

Sanz J.L. *see* Cayón L.

Saripalli L. *see* Subrahmanyam R.

Sarna M.J., Marks P.B., Smith R.C., Evolutionary scenarios for double degenerate systems, **279**, 88

Saunders W. *see* Clements D.L.

Saunders W. *see* Mann R.G.

Savaglio S. *see* Fontana A.

Scarrott S.M., Draper P.W., Stockdale D.P., Imaging polarimetry of the luminous merger galaxy NGC 3256, **279**, 1325

Schilizzi R.T. *see* Snellen I.A.G.

Schuecker P., The Muenster Redshift Project: improved methods for automated galaxy redshift measurements from very low-dispersion objective-prism spectra, **279**, 1057

Seaton M.J., Interpolations of Rosseland-mean opacities for variable X and Z , **279**, 95

Sethi S.K. *see* Nath B.B.

Sharples R.M. *see* Barger A.J.

Sheth R.K., The distribution of pairwise peculiar velocities in the non-linear regime, **279**, 1310

Shore S.N. *see* Saizar P.

Shukurov A. *see* Moss D.

Siebert J., Brinkmann W., Morganti R., Tadhunter C.N., Danziger I.J., Fosbury R.A.E., di Serego Alighieri S., The soft X-ray properties of a complete sample of radio sources, **279**, 1331

Skinner C.J. *see* Sylvester R.J.

Smail I. *see* Barger A.J.

Smith R.C. *see* Sarna M.J.

Snellen I.A.G., Bremer M.N., Schilizzi R.T., Miley G.K., van Ojik R., The R-band Hubble diagram for gigahertz peaked spectrum radio galaxies, **279**, 1294

Sonego S., Lanza A., Relativistic perihelion advance as a centrifugal effect, **279**, L65

Sonneborn G. *see* Saizar P.
Spinelli L. *see* Triay R.
Sridhar S., Touma J., Adiabatic evolution and capture into resonance: vertical heating of a growing stellar disc, 279, 1263
Sridharan T.K., Bhatt H.C., Rajagopal J., Magnetic fields in cometary globules – I. CG 22, 279, 1191
Starfield S. *see* Saizar P.
Steffen W. *see* Holloway A.J.
Steffen W. *see* Su B.M.
Stehle R., Ritter H., Kolb U., An analytic approach to the secular evolution of cataclysmic variables, 279, 581
Stevens I.R. *see* Jeffries R.D.
Stockdale D.P. *see* Scarrott S.M.
Su B.M., Muxlow T.W.B., Pedlar A., Holloway A.J., Steffen W., Kukula M.J., Mutel R.L., Compact radio structure in the Seyfert nucleus of NGC 5929, 279, 1111
Subrahmanyam R., Saripalli L., Hunstead R.W., Morphologies in megaparsec-size powerful radio galaxies, 279, 257
Sugiyama N. *see* Cayón L.
Sulentic J. *see* Romano P.
Sutherland W.J. *see* Clements D.L.
Sylvester R.J., Skinner C.J., Barlow M.J., Mannings V., Optical, infrared and millimetre-wave properties of Vega-like systems, 279, 915
Tadhunter C.N. *see* Holloway A.J.
Tadhunter C.N. *see* Siebert J.
Takahara F. *see* Levshakov S.A.
Tanvir N.R. *see* Abraham R.G.
Taylor A.N. *see* Mann R.G.
Taylor S.D. *see* Federman S.R.
Taylor S.D. *see* Howe D.A.
Tegmark M. *see* Hahnelt M.G.
Terlevich E., Diaz A.I., Terlevich R., González-Delgado R.M^a., Pérez E., García Vargas M.L., A spectroscopic search for red supergiants in the M33 giant H II region NGC 604, 279, 1219
Terlevich R. *see* Terlevich E.
Terquem C., Bertout C., Tidally induced warps in T Tauri discs – II. A parametric study of spectral energy distributions, 279, 415
Terquem C., Papaloizou J.C.B., On the stability of an accretion disc containing a toroidal magnetic field, 279, 767
Theuns T., Numerical study of energy diffusion in King models, 279, 827
Thomas G. *see* Billington I.
Thompson M.J. *see* Pijpers F.P.
Thuillard M., Pulsation frequency of fireballs: a new method of measuring meteoroid size?, 279, 785
Torres S. *see* Cayón L.
Touma J. *see* Sridhar S.
Triay R., Spinelli L., Lafaye R., Framework for cosmography at high redshift, 279, 564
Tweedy R.W. *see* Barstow M.A.
Vaeck N. *see* Fleming J.
van de Weygaert R. *see* Bernardeau F.
van den Bergh S. *see* Abraham R.G.
van Loon J.Th. *see* Zijlstra A.A.
van Ojik R. *see* Snellen I.A.G.
Vesperini E. *see* Bellazzini M.
Waga I. *see* Bloomfield Torres L.F.
Ward M.J. *see* Young S.
Wardle M. *see* Königl A.
Warner B. *see* Harrop-Allin M.K.
Waters L.B.F.M. *see* Zijlstra A.A.
Weisberg J.M. *see* Johnston S.
Welty D.E. *see* Kulkarni V.P.
Whitelock P.A. *see* Zijlstra A.A.
Williams D.A. *see* Federman S.R.
Williams D.A. *see* Howe D.A.
Williams D.A. *see* McCoustra M.
Williams P.M., Longmore A.J., Geballe T.R., Evolution of the 1–4 μm spectrum of Nova PW Vulpeculae 1984, 279, 804
Williams R.E. *see* Saizar P.
Williams R.J.R., Dyson J.E., Breaking the sound barrier in recombination fronts, 279, 987
Wills B.J. *see* Netzer H.
Wills B.J. *see* Young S.
Wilson W. *see* Johnston S.
Wu S. *see* Yang L.
Wu X. *see* Yang L.
Yabushita S., Statistical tests of a periodicity hypothesis for crater formation rate – II, 279, 727
Yan L., Reid I.N., Discovery of six short-period eclipsing binaries in the globular cluster M5, 279, 751
Yang L., Yang P., Wu S., Wu X., Sonic-point instability with a new revised viscosity and isothermal accretion disc, 279, 669
Yang P. *see* Yang L.
Yearsley J.M. *see* Drinkwater M.J.
York D.G. *see* Kulkarni V.P.
Young C.K. *see* Drinkwater M.J.
Young S., Hough J.H., Efstathiou A., Wills B.J., Axon D.J., Bailey J.A., Ward M.J., Scattered broad optical lines in the polarized flux spectrum of the FR II galaxy 3C 321, 279, L72
Zdziarski A.A., Magdziarz P., The origin of the correlation between the UV and X-rays in NGC 4151, 279, L21
Zijlstra A.A., Loup C., Waters L.B.F.M., Whitelock P.A., van Loon J.Th., Guglielmo F., Obscured asymptotic giant branch stars in the Magellanic Clouds – II. Near-infrared and mid-infrared counterparts, 279, 32
Zwitter T. *see* Romano P.